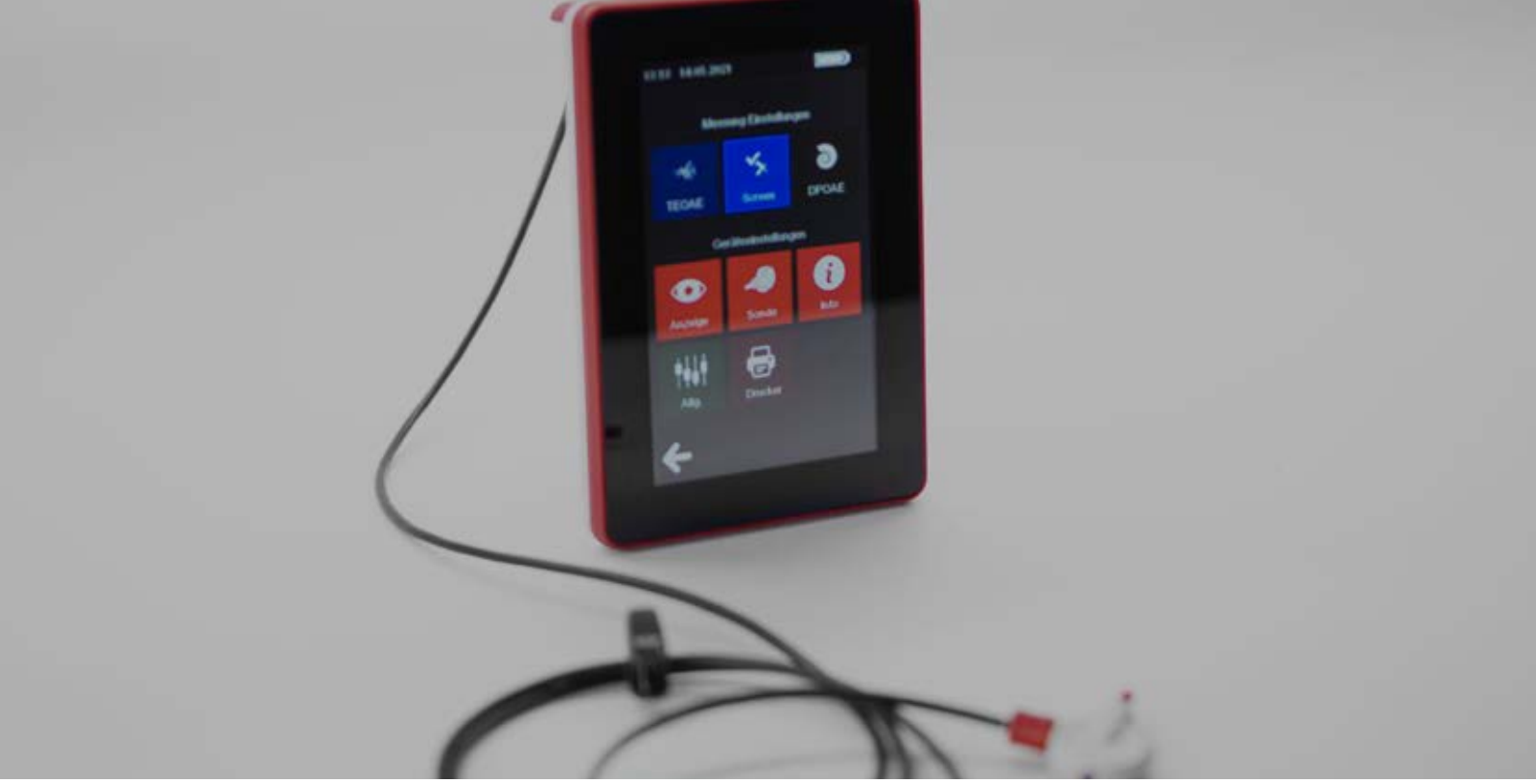
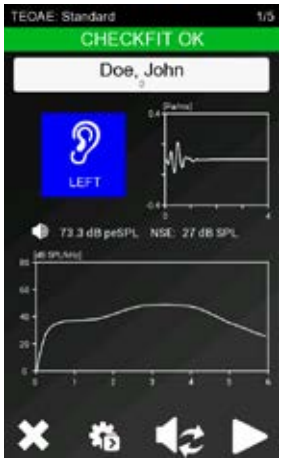


# eOAE

Hand held TEOAE+DPOAE device

When an acoustic signal hits the auditory system, the inner ear sends back a very quiet sound, the otoacoustic emissions. A distinction is made between transitory otoacoustic emissions (TEOAE) and distorsively produced otoacoustic emissions (DPOAE).

Both TEOAE and DPOAE can be measured with the **eOAE** device. A special screening mode is implemented for performing screening examinations on newborns.




11:31 15.02.2021
Messung läuft
Zeit 3s
Frequenz 4000Hz
Artefakte 0
dB Verh. 65 / 55
SIG/NSE
Pegel Differenz
Abbruch
TEOAE: Standard
1/5
Sondensitz OK
Doe, John
LINKS
73.4 dB peSPL NSE: 25 dB SPL
A 0.5k 1k 2k 3k 4k
New 69.0 71.4 71.9 86.2 94.5
Old 69.1 71.6 72.0 85.1 94.6
B 0.5k 1k 2k 3k 4k
New 69.5 71.3 68.9 83.9 93.7
Old 69.7 71.7 71.0 85.9 94.5
[mPa/ms]
13
09:26 29.1.2020
USB
Doe, John
TEOAE
Screen
DPOAE
Patienten
Einstellungen
Hauptmenü

- **TEOAE**

User defineable stop criteria
4 adjustable profiles
Display as time graph or frequency diagram
All parameters at a glance

- **DPOAE**

4 adjustable profiles
Display as DP-Gramm and Table

- **Screening**

Method TEOAE
Clear result presentation

- Easy cleaning of the probe parts
- Good disinfectability through touch screen
- Optional printer available
- Clear measurement data management also on the device
- QWERTZ keyboard for convenient data input on the device
- Capacity for 10.000 tests
- Full integration into the eDM - Diagnostic Manager
- Easy charging via docking station
- PC Software for data transfer
- complies with DIN EN 60645-6

## Device specifications

- Samplerate: 48 KHz
- ADC resolution: 24 Bit
- Display: 5“ touch display
- Weight: 320 gramm
- Battery: 3880 mAh, 400 tests min.
- Head phone output for masking
- Dimensions: 141x97x27 mm

**Optional printer**

- Type: thermal printer
- Paper width: 57,5 mm
- Resolution: 8 p/mm, 384 p/line

## Probe specifications

- Type: TEOAE and DPOAE
- Stimulus:
  TEOAE: nonlinear Clicks
  DPOAE: pure tone f1:f2 = 1:1,2
- Frequency range:
  TEOAE 1-4 KHz
  DPOAE: 0.5-8 KHz
- Level:
  TEOAE 40-90 dB peSPL
  DPOAE 40-70 dB SPL
- Probe cable length: 1,5 m